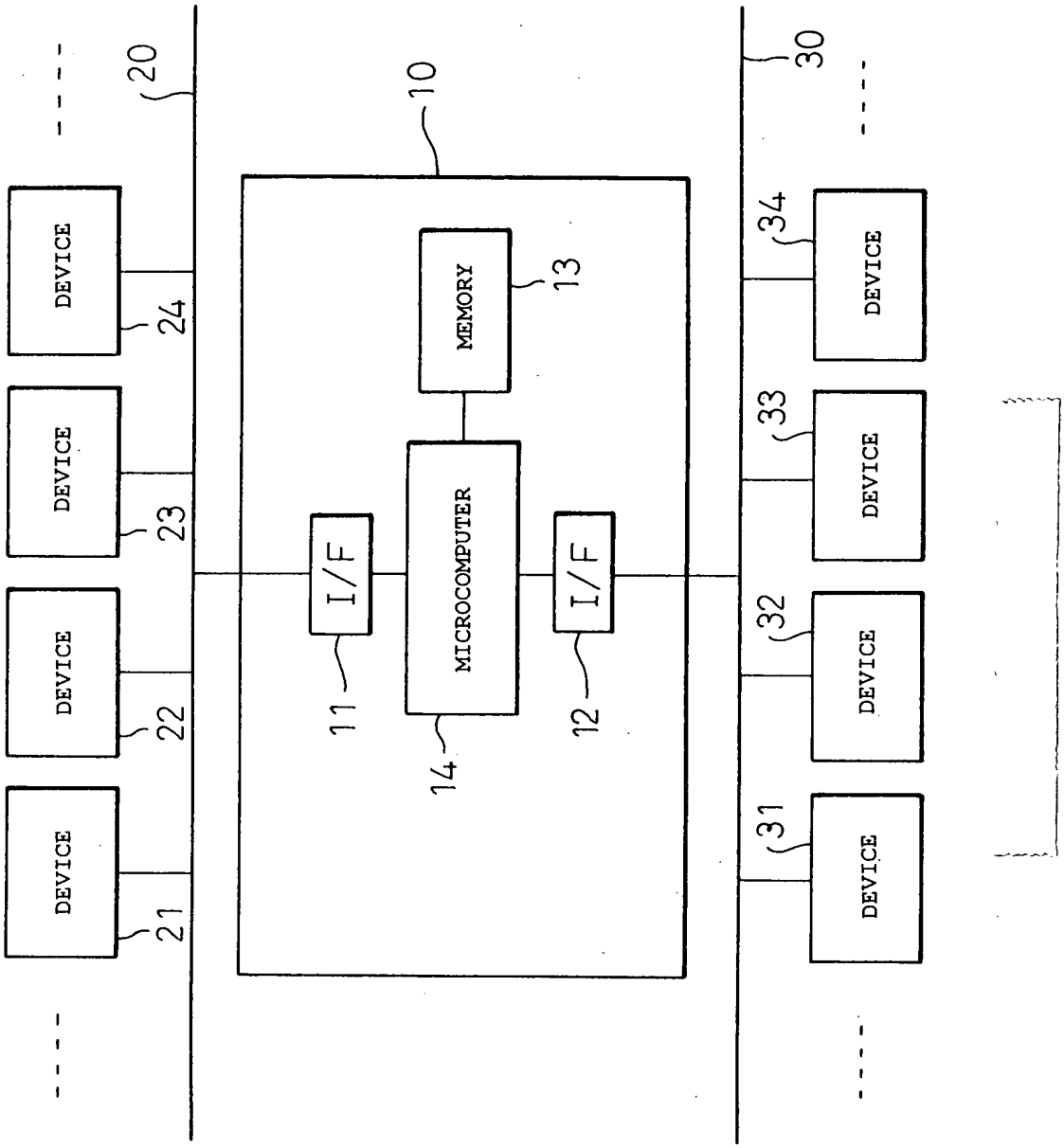
Fig.1


10
20
30
DEVICE
21
DEVICE
22
DEVICE
23
DEVICE
24
I/F
11
MICROCOMPUTER
14
MEMORY
13
I/F
12
DEVICE
31
DEVICE
32
DEVICE
33
DEVICE
34

09530145 - 040200

Fig. 2

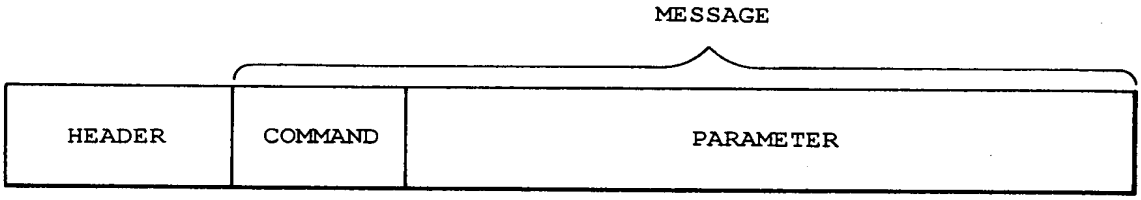


Fig. 3

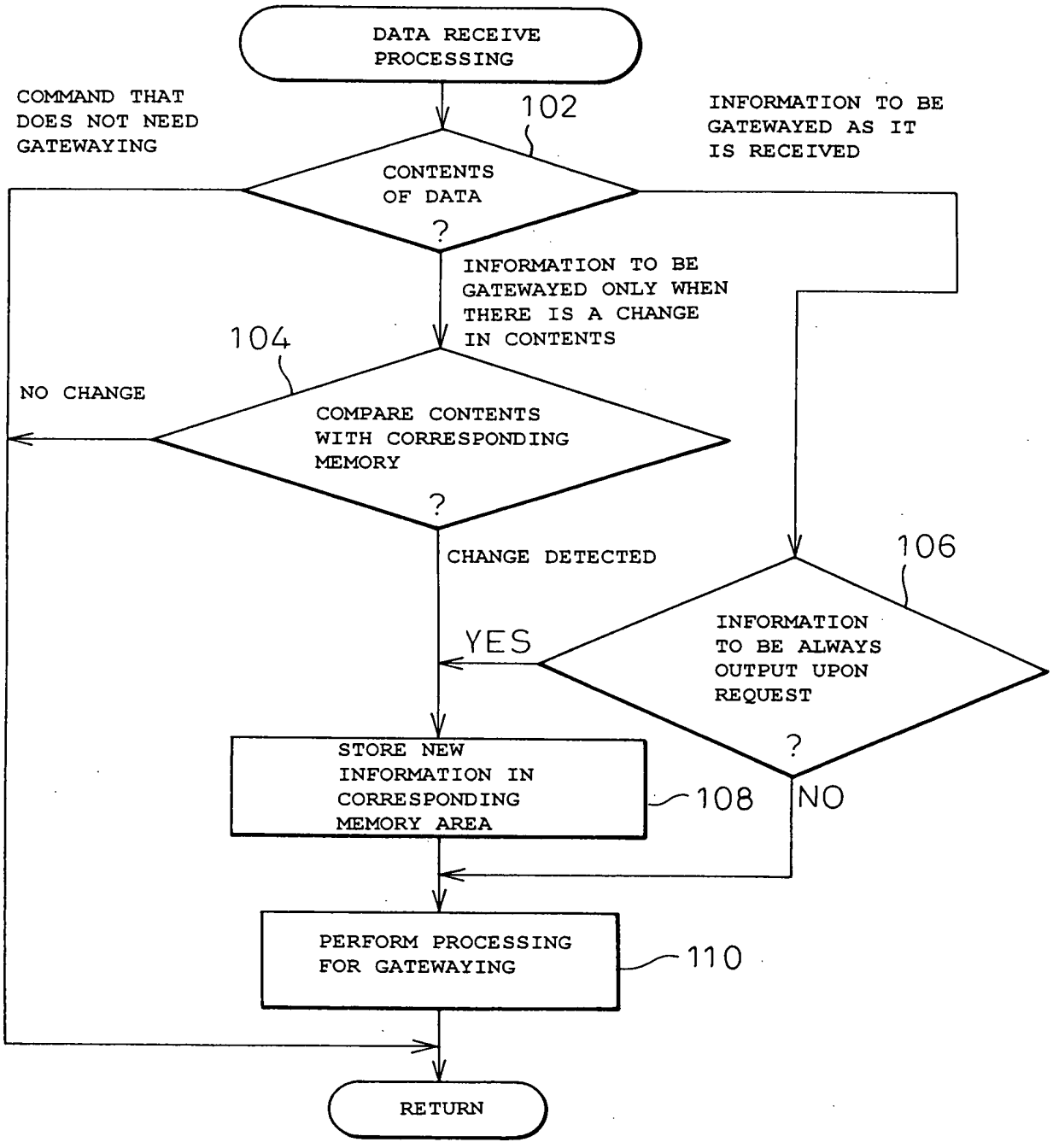

DATA RECEIVE PROCESSING
102
CONTENTS OF DATA ?
COMMAND THAT DOES NOT NEED GATEWAYING
INFORMATION TO BE GATEWAYED AS IT IS RECEIVED
INFORMATION TO BE GATEWAYED ONLY WHEN THERE IS A CHANGE IN CONTENTS
104
COMPARE CONTENTS WITH CORRESPONDING MEMORY ?
NO CHANGE
CHANGE DETECTED
106
INFORMATION TO BE ALWAYS OUTPUT UPON REQUEST ?
YES
NO
STORE NEW INFORMATION IN CORRESPONDING MEMORY AREA
108
PERFORM PROCESSING FOR GATEWAYING
110
RETURN

Fig. 4

COMMAND CODE (HEX)	COMMAND TYPE	STORED FLAG
⋮	⋮	⋮
"05" (OUTSIDE TEMPERATURE)	1	1
⋮	⋮	⋮
"1F" (ENGINE RPM)	0	0
⋮	⋮	⋮
"B3" (DISTANCE-TO-EMPTY)	2	1
⋮	⋮	⋮
"DE" (INSTANTANEOUS FUEL ECONOMY)	2	0
⋮	⋮	⋮

09530145 - 042400

Fig.5

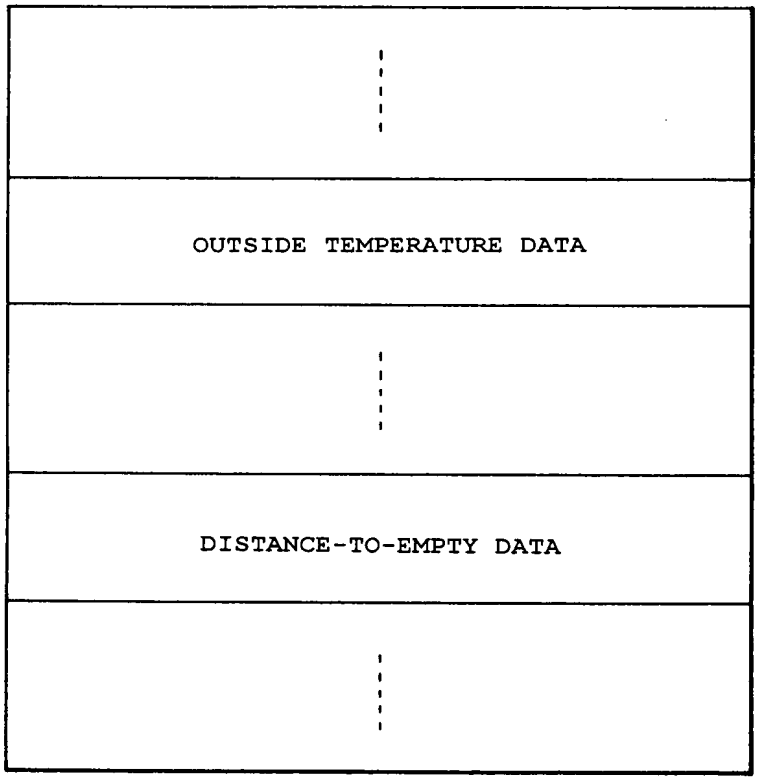
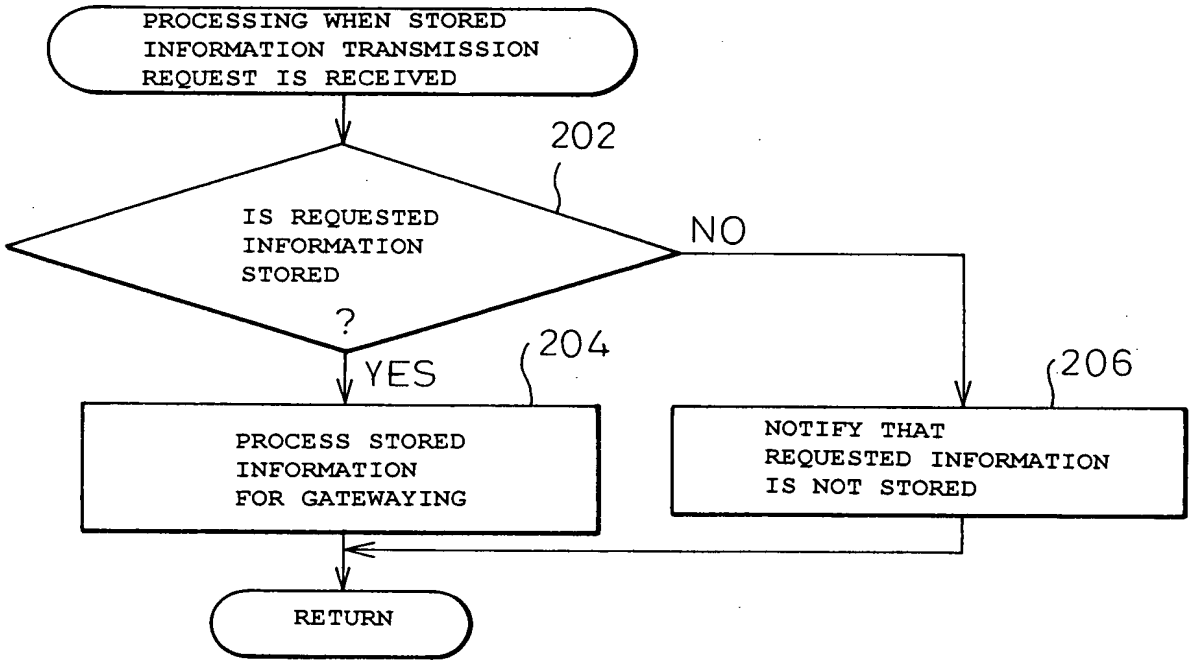


Fig. 6



DOCKET NO: 0425-0130US